CLAIMS

1. Flame retardant artificial polyester hair, which is formed from a composition obtained by melt-kneading 5 to 30 parts by weight of a bromine-containing flame retardant (B) having a melting point of 160°C to 320°C and a 5 % loss on heat temperature of 220 to 450°C based on 100 parts by weight of a polyester (A) comprising at least one selected from the group consisting of polyalkylene terephthalate and a copolymered polyester comprising polyalkylene terephthalate as the main component.

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- 2. The flame retardant artificial polyester hair of Claim 1, wherein the polyalkylene terephthalate is at least one kind of a polymer selected from the group consisting of polyethylene terephthalate, polypropylene terephthalate and polybutylene terephthalate.
- 3. The flame retardant artificial polyester hair of Claim 1 or 2, wherein the bromine-containing flame retardant (B) is a mixture of a bromine-containing flame retardant (b1) having a 5 % loss on heat temperature of 220 to 310°C and a bromine-containing flame retardant (b2) having a 5 % loss on heat temperature of 310 to 450°C, and the mixing ratio of (b1) and (b2) (weight ratio) is 20/80 to 80/20.
- 4. The flame retardant artificial polyester hair of Claim 3, wherein the bromine-containing flame retardant (B) is at least one kind of a flame retardant selected from the group consisting of hexabromocyclododecane, tris(tribromoneopentyl) phosphate,

pentabromotoluene, hexabromobenzene, tetrabromophthalic anhydride, ether, tetrabromobisphenol Α, decabromodiphenyl a polycarbonate oligomer, tetrabromobisphenol type A bis(2,6-dibromophenyl) carbonate, poly-4,4-isopropylidene 1,2-bis(2,4,6-tribromophenoxy)ethane, and 2,4,6-tris(2,4,6-tribromophenoxy)-1,3,5-triazine bis(4-hydroxy-3,5-dibromophenyl)sulfone.

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5. The flame retardant artificial polyester hair of Claim 3, wherein the component (b1) is at least one kind of a flame retardant 10 selected from the group consisting of hexabromocyclododecane, dibromoneopentyl glycol, tris(tribromoneopentyl) phosphate, ethylene dibromide-4,4'-isopropylidene bis(2,6-dibromophenol) condensate, acid, pentabromotoluene, tris(2,3-dibromopropyl) isocyanuric tetrabromophthalic anhydride, dialkyl hexabromobenzene, 15 tetrabromophthlate, tetrabromobisphenol A, tetrabromobisphenol A-bis(allyl ether), tetrabromobisphenol A-bis(hydroxyethyl ether), 1,2-bis(2,4,6-tribromophenoxy)ethane and octabromodiphenyl ether and the component (b2) is at least one kind of a flame retardant selected consisting of decabromodiphenyl ether, from the group 20 A-bis(2,3-dibromopropyl ether), tetrabromobisphenol tetrabromobisphenol polycarbonate oligomer, Α type poly-4,4-isopropylidene bis(2,6-dibromophenyl) carbonate, a pentabromobenzyl acrylate polymer, brominated polystyrene, a brominated resin, a phenoxy resin, brominated epoxy 25 2,4,6-tris(2,4,6-tribromophenoxy)-1,3,5-triazine, octabromotrimethylphenylindan,

tetradecabromodiphenylphenoxybenzene, bis(4-hydroxy-3,5-dibromophenyl)sulfone. and

- 6. The flame retardant artificial polyester hair of any one of Claims 1 to 5, which is formed from a composition obtained by further mixing a flame retardant aid (C) with the polyester (A) and the bromine-containing flame retardant (B).
- 7. The flame retardant artificial polyester hair of Claim 6, wherein the flame retardant aid (C) is at least one selected from the group consisting of an antimony trioxide compound, an antimony pentoxide compound and sodium antimonate.
- 8. The flame retardant artificial polyester hair of any one of Claims 1 to 7, wherein the artificial hair is in the state of non-crimping fiber yarn.
 - 9. The flame retardant artificial polyester hair of any one of Claims 1 to 8, wherein the artificial hair is spun-dyed.

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10. The flame retardant artificial polyester hair of any one of Claims 1 to 9, wherein the artificial hair has a single fiber fineness of 10 to 100 dtex.